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Abstract

The present invention concerns a club for impacting an object. The club may have a club head having a club face. At least one microprocessor in communication with a plurality of infrared sources is also provided. There are also a plurality of infrared sensors, and indicators configurable in a configuration indicating proper club face alignment and a configuration indicating club face misalignment. The infrared sources are periodically pulsed by a microprocessor between an activated and deactivated state. The sensors are configured on the club head to receive infrared from the infrared sources and to generate a signal in response to the infrared received. The device may be used outside, even in the presence of sunlight. By filtering direct current, the false readings caused by sunlight may be reduced. Pulsing the infrared sources, e.g., at 2-6 kilohertz, also helps reduce the detrimental effects sunlight has on the operation of the device. The microprocessor is programmed to receive signals from the sensors when the infrared sources are activated. The microprocessor is programmed to activate the indicators in an aligned or misaligned configuration.

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